Bruhath Bengalore Mahanagara Palike

Modified Estimate

Name of Work: Asphalting to roads at Ashok nagara and surrounding areas in Ward No. 14 Bagalagunte

Name of Agency: M.S.V.Constructions Company

Job Code No : 014-19-000026

Work Order No : EE/DD/W.O/567/2020-21 Dated: **Estimated Cost: 250.00 Lakhs**

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	As per Approved Schedule-B Rate	Amount
1	**Removing and refixing stone slabs of drains and Pointing in CM (1:3)**								
	Ashoknagara								
	SLN primary school								
		2	236.00	0.90		424.80			
	Ashoknagara dead end Road								
		1	78.00	0.90		70.20			
	3rd Cross Road								
		2	144.00	0.90		259.20			
	2nd Cross Road								
		2	143.00	0.90		257.40			
	Cross Road								
		2	83.00	0.90		149.40			
	Havanoor Layout								
	3rd main road								
		2	198.00	0.90		356.40			
	2nd main road								
		2	195.00	0.90		351.00			
	1st Main Road								
		2	121.00	0.90		217.80			
	Ramaiah layout								
	12th main Ramaiah layout								
		2	221.70	0.90		399.06			
	11th mian Ramaiah layou								
		2	225.00	0.90		405.00			
	10th Main								
		2	211.80	0.90		381.24			
	9th Main								
		2	213.00	0.90		383.40			
	8th Main								
		2	229.80	0.90		413.64			
	7th Mian								
		2	230.80	0.90		415.44			
	6th Main								
		2	228.00	0.90		410.40			
	5th main								
		2	210.00	0.90		378.00			
	4th Main								
		2	208.00	0.90		374.40			
	3rd main road								
		2	210.00	0.90		378.00			
	2nd main road								
		2	210.50	0.90		378.90			
	1st Main Road								
		2	210.50	0.90		378.90			
	Partydhar Samaj Back Side Road								
		2	123.00	0.90		221.40			
	MLA Office Back Side Road								
		2	261.80	0.90		471.24			
						7475.22			
	Missing & Broken slab 25%					**1868.81**			

l No	Description of Items	No	Length	Width	Depth	Quantity	Unit	As per Approved Schedule-B Rate	Amount
				Total Qty		5606.42	Sqm		
			As per Agreement Qty			473.40	Sqm	116.87	55326.26
			Upto 125% Qty			118.35	Sqm	116.87	13831.56
			Above 125%			5014.67	Sqm	116.87	586038.83
			Total Qty			5606.42	Sqm		
2	**Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter**								
	For Desilting								
	Ashoknagara								
	SLN primary school								
		2	236.00	0.45	0.40	84.96			
	Ashoknagara dead end Road								
		1	78.00	0.45	0.40	14.04			
	3rd Cross Road								
		2	144.00	0.45	0.40	51.84			
	2nd Cross Road								
		2	143.00	0.45	0.40	51.48			
	Cross Road								
		2	83.00	0.45	0.40	29.88			
	Havanoor Layout								
	3rd main road								
		2	198.00	0.45	0.40	71.28			
	2nd main road								
		2	195.00	0.45	0.40	70.20			
	1st Main Road								
		2	121.00	0.45	0.40	43.56			
	Ramaiah layout								
	12th main Ramaiah layout								
		2	221.70	0.45	0.40	79.81			
	11th mian Ramaiah layou								
		2	225.00	0.45	0.40	81.00			
	10th Main								
		2	211.80	0.45	0.40	76.25			
	9th Main								
		2	213.00	0.45	0.40	76.68			
	8th Main								
		2	229.80	0.45	0.40	82.73			
	7th Mian								
		2	230.80	0.45	0.40	83.09			
	6th Main								
		2	228.00	0.45	0.40	82.08			
	5th main								
		2	210.00	0.45	0.40	75.60			
	4th Main								
		2	208.00	0.45	0.40	74.88			
	3rd main road								
		2	210.00	0.45	0.40	75.60			
	2nd main road								
		2	210.50	0.45	0.40	75.78			
	1st Main Road								
		2	210.50	0.45	0.40	75.78			
	Partydhar Samaj Back Side Road								
		2	123.00	0.45	0.40	44.28			
	MLA Office Back Side Road								
		2	261.80	0.45	0.40	94.25			
	Road Cutting								
	Ashoknagara								

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	As per Approved Schedule-B Rate	Amount
	SLN primary school								
	Ashoknagara dead end Road	1	236.00	0.90	0.25	53.10			
	3rd Cross Road	1	78.00	0.90	0.25	17.55			
	2nd Cross Road	1	144.00	0.90	0.25	32.40			
	Cross Road	1	143.00	0.90	0.25	32.18			
	Havanoor Layout	1	83.00	0.90	0.25	18.68			
	3rd main road								
	2nd main road	1	198.00	0.90	0.25	44.55			
	1st Main Road	1	195.00	0.90	0.25	43.88			
	Ramaiah layout	1	121.00	0.90	0.25	27.23			
	12th main Ramaiah layout								
	11th mian Ramaiah layou	2	221.70	0.90	0.25	99.77			
	10th Main	2	225.00	0.90	0.25	101.25			
	9th Main	2	211.80	0.90	0.25	95.31			
	8th Main	2	213.00	0.90	0.25	95.85			
	7th Mian	2	229.80	0.90	0.25	103.41			
	6th Main	2	230.80	0.90	0.25	103.86			
	5th main	2	228.00	0.90	0.25	102.60			
	4th Main	2	210.00	0.90	0.25	94.50			
	3rd main road	2	208.00	0.90	0.25	93.60			
	2nd main road	2	210.00	0.90	0.25	94.50			
	1st Main Road	2	210.50	0.90	0.25	94.73			
	Partydhar Samaj Back Side Road	2	210.50	0.90	0.25	94.73			
	MLA Office Back Side Road	2	123.00	0.90	0.25	55.35			
		2	261.80	0.90	0.25	117.81			
				Total Qty		**3111.85**	**Cum**		
			As per Agreement Qty			**1814.31**	**Cum**	**247.55**	**449132.44**
			Upto 125% Qty			**453.58**	**Cum**	**247.55**	**112283.11**
			Above 125%			**843.96**	**Cum**	**247.55**	**208925.59**
			Total Qty			**3111.85**	**Cum**		
3	**Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. i) Lime /Cement Concrete. I. By Manual Means .A. Lime Concrete, cement concrete grade M-10 a**								
		Not Executed							
		Schedule B Qty				**359.64**	**Cum**	**608.16**	**0.00**

No	Description of Items	No	Length	Width	Depth	Quantity	Unit	As per Approved Schedule-B Rate	Amount
4	Plain cement concrete 1:3:6 mix with crushed stone aggregates 40mm nominal size mechanically mixed placed in foundation and compacted by vibration including curing complete as per specifications.								
	Not Executed								
	Schedule B Qty					89.91	Cum	4703.54	0.00
5	Providng and laying plain reinforcd cement concrete forside drain using m20 nominal mix concrete with opc at 300 kg with 20 mm and down size granite metel coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed								
	Not Executed								
	Schedule B Qty					404.6	Cum	7423.71	0.00
6	Providing T.M.T. steel reinforcement for R.C,C work including straightening. cutting. bending. hooking. placing in position. lapping and or welding wherever required tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) including cost of materaial ,labour , HOM complete as per specifications. MORTH specifications. No.1600 & 2200-do-TMT Bars Fe 500								
	Not Executed								
	Schedule B Qty					28.32	MT	77691.85	0.00
7	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete.								
	Not Executed								
	Schedule B Qty					3728	Nos	490.83	0.00
8	KSRB 15-19.2 : Providing and applying spray painting (excluding priming coat) over concrete I masonry I asbestos cement sheet I plastered surfaces with flat wall paint of approved brand to give even shade after cleaning the surface of all dirt, dust and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications KSRB 15-19.3 : -do - spray painting in one coat								
	Not Executed								
	Schedule B Qty					670.8	Sqm	61.22	0.00
9	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8								
	Not Executed								
	Schedule B Qty					670.8	Sqm	89.04	0.00
10	Providing & laying RCC Drain Slab of 250 mm (DATA RATE)								
	Not Executed								
	Schedule B Qty					24	Sqm	5503.05	0.00
11	Providing & laying RCC Drain Slab of 100mm (DATA RATE)								
	Qty Vide Item No 1 Missing & Broken slabs					1868.81			
					Total Qty	1868.81	Sqm		
					As per Agreement Qty	1334.00	Sqm	2318.40	3092745.60
					Upto 125% Qty	333.50	Sqm	2318.40	773186.40
					Above 125% Qty	201.30	Sqm	2337.00	470449.78
					Total Qty	1868.81			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	As per Approved Schedule-B Rate	Amount
12	**Construction of granular sub-base Grading-Vas Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications. Clause 401 of MORTH V Revision.**								
		Not Executed							
		Schedule B Qty				**468.59**	**Cum**	**2094.67**	**0.00**
13	**KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications.**								
	For Asphalt road								
	Ashoknagara								
	SLN primary school								
		1	236.00	5.50		1298.00			
	Ashoknagara dead end Road								
		1	78.00	4.50		351.00			
	3rd Cross Road								
		1	144.00	4.80		691.20			
	2nd Cross Road								
		1	143.00	5.20		743.60			
	Cross Road								
		1	83.00	4.50		373.50			
	KEB Road								
		1	286.00	4.90		1401.40			
	Havanoor Layout								
	3rd main road								
		1	198.00	4.20		831.60			
	2nd main road								
		1	195.00	4.80		936.00			
	1st Main Road								
		1	121.00	4.50		544.50			
	Ramaiah layout								
	12th main Ramaiah layout								
		1	221.70	5.30		1175.01			
	11th mian Ramaiah layou								
		1	225.00	5.50		1237.50			
	10th Main								
		1	211.80	5.50		1164.90			
	9th Main								
		1	213.00	6.00		1278.00			
	8th Main								
		1	229.80	6.10		1401.78			
	7th Mian								
		1	230.80	6.20		1430.96			
	6th Main								
		1	228.00	6.50		1482.00			
	5th main								
		1	210.00	5.50		1155.00			
	4th Main								
		1	208.00	5.00		1040.00			
	3rd main road								
		1	210.00	6.50		1365.00			
	2nd main road								
		1	210.50	5.80		1220.90			
	1st Main Road								
		1	210.50	5.80		1220.90			
	Partydhar Samaj Back Side Road								
		1	123.00	4.90		602.70			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	As per Approved Schedule-B Rate	Amount
	MLA Office Back Side Road								
		1	261.80	6.50		1701.70			
			Total Qty			24647.15	Sqm		
			As per Agreement Qty			2857.40	Sqm	5.57	15915.72
			Upto 125% Qty			714.35	Sqm	5.57	3978.93
			Above 125% Qty			21075.40	Sqm	5.57	117284.60
			Total Qty			24647.15	Sqm		
14	**Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406**								
	Road Cutting								
	Ashoknagara								
	SLN primary school								
		2	236.00	0.90	0.20	84.96			
	Ashoknagara dead end Road								
		2	78.00	0.90	0.20	28.08			
	3rd Cross Road								
		2	144.00	0.90	0.20	51.84			
	2nd Cross Road								
		2	143.00	0.90	0.20	51.48			
	Cross Road								
		2	83.00	0.90	0.20	29.88			
	Havanoor Layout								
	3rd main road								
		2	198.00	0.90	0.20	71.28			
	2nd main road								
		2	195.00	0.90	0.20	70.20			
	1st Main Road								
		2	121.00	0.90	0.20	43.56			
	Ramaiah layout								
	12th main Ramaiah layout								
		2	221.70	0.90	0.20	79.81			
	11th mian Ramaiah layou								
		2	225.00	0.90	0.20	81.00			
	10th Main								
		2	211.80	0.90	0.23	87.69			
	9th Main								
		2	213.00	0.90	0.23	88.18			
	8th Main								
		2	229.80	0.90	0.23	95.14			
	7th Mian								
		2	230.80	0.90	0.23	95.55			
	6th Main								
		2	228.00	0.90	0.23	94.39			
	5th main								
		2	210.00	0.90	0.23	86.94			
	4th Main								
		2	208.00	0.90	0.23	86.11			
	3rd main road								
		2	210.00	0.90	0.23	86.94			
	2nd main road								
		2	210.50	0.90	0.23	87.15			
	1st Main Road								
		2	210.50	0.90	0.23	87.15			
	Partydhar Samaj Back Side Road								

No	Description of Items	No	Length	Width	Depth	Quantity	Unit	As per Approved Schedule-B Rate	Amount
		2	123.00	0.90	0.20	44.28			
	MLA Office Back Side Road								
		2	261.80	0.90	0.23	108.39			
			Total Qty			**1639.99**	**Cum**		
			As per Agreement Qty			**1005.26**	**Cum**	**2101.34**	**2112393.05**
			Balance Qty			**634.73**	**Cum**	**2101.34**	**1333785.22**
15	**Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WBM, WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH Specification No. 502**								
	Road Cutting								
	Ashoknagara								
	SLN primary school								
		2	236.00	0.90		424.80			
	Ashoknagara dead end Road								
		2	78.00	0.90		140.40			
	3rd Cross Road								
		2	144.00	0.90		259.20			
	2nd Cross Road								
		2	143.00	0.90		257.40			
	Cross Road								
		2	83.00	0.90		149.40			
	Havanoor Layout								
	3rd main road								
		2	198.00	0.90		356.40			
	2nd main road								
		2	195.00	0.90		351.00			
	1st Main Road								
		2	121.00	0.90		217.80			
	Ramaiah layout								
	12th main Ramaiah layout								
		2	221.70	0.90		399.06			
	11th mian Ramaiah layou								
		2	225.00	0.90		405.00			
	10th Main								
		2	211.80	0.90		381.24			
	9th Main								
		2	213.00	0.90		383.40			
	8th Main								
		2	229.80	0.90		413.64			
	7th Mian								
		2	230.80	0.90		415.44			
	6th Main								
		2	228.00	0.90		410.40			
	5th main								
		2	210.00	0.90		378.00			
	4th Main								
		2	208.00	0.90		374.40			
	3rd main road								
		2	210.00	0.90		378.00			
	2nd main road								
		2	210.50	0.90		378.90			
	1st Main Road								
		2	210.50	0.90		378.90			
	Partydhar Samaj Back Side Road								
		2	123.00	0.90		221.40			
	MLA Office Back Side Road								
		2	261.80	0.90		471.24			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	As per Approved Schedule-B Rate	Amount
			Total Qty			7545.42	Sqm		
			As per Agreement Qty			4370.70	Sqm	31.16	136191.01
			Upto 125% Qty			1092.68	Sqm	31.16	34047.75
			Above 125% Qty			2082.05	Sqm	45.63	95009.96
			Total Qty			7545.42	Sqm		
16	**KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting thehot mix to worksite, laying to the required grade, level and alignment, rolling with, smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications. MORTH Specification No. 507**								
	Ashoknagara								
	SLN primary school								
		2	236.00	0.90	0.05	21.24			
	Ashoknagara dead end Road								
		2	78.00	0.90	0.05	7.02			
	3rd Cross Road								
		2	144.00	0.90	0.05	12.96			
	2nd Cross Road								
		2	143.00	0.90	0.05	12.87			
	Cross Road								
		2	83.00	0.90	0.05	7.47			
	Havanoor Layout								
	3rd main road								
		2	198.00	0.90	0.05	17.82			
	2nd main road								
		2	195.00	0.90	0.05	17.55			
	1st Main Road								
		2	121.00	0.90	0.05	10.89			
	Ramaiah layout								
	12th main Ramaiah layout								
		2	221.70	0.90	0.05	19.95			
	11th mian Ramaiah layou								
		2	225.00	0.90	0.05	20.25			
	10th Main								
		2	211.80	0.90	0.05	19.06			
	9th Main								
		2	213.00	0.90	0.05	19.17			
	8th Main								
		2	229.80	0.90	0.05	20.68			
	7th Mian								
		2	230.80	0.90	0.05	20.77			
	6th Main								
		2	228.00	0.90	0.05	20.52			
	5th main								
		2	210.00	0.90	0.05	18.90			
	4th Main								
		2	208.00	0.90	0.05	18.72			
	3rd main road								
		2	210.00	0.90	0.05	18.90			
	2nd main road								
		2	210.50	0.90	0.05	18.95			
	1st Main Road								
		2	210.50	0.90	0.05	18.95			
	Partydhar Samaj Back Side Road								
		2	123.00	0.90	0.05	11.07			
	MLA Office Back Side Road								
		2	261.80	0.90	0.05	23.56			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	As per Approved Schedule-B Rate	Amount
			Total Qty			377.27	Cum		
			As per Agreement Qty			251.44	Cum	6690.24	1682193.95
			Upto 125% Qty			62.86	Cum	6690.24	420548.49
			Above 125% Qty			62.97	Cum	8265.14	520464.00
			Total Qty			377.27	Cum		
17	**KSRRB 500-9. Providing and applying tack coat using 80/100 grade Sqm bitumen(VG10) on granular base such as WBM surfaces hot bitumen primed at 4 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Chapter 5**								
	Ashoknagara								
	SLN primary school								
		1	236.00	5.50		1298.00			
	Ashoknagara dead end Road								
		1	78.00	4.50		351.00			
	3rd Cross Road								
		1	144.00	4.80		691.20			
	2nd Cross Road								
		1	143.00	5.20		743.60			
	Cross Road								
		1	83.00	4.50		373.50			
	KEB Road								
		1	286.00	4.90		1401.40			
	Havanoor Layout								
	3rd main road								
		1	198.00	4.20		831.60			
	2nd main road								
		1	195.00	4.80		936.00			
	1st Main Road								
		1	121.00	4.50		544.50			
	Ramaiah layout								
	12th main Ramaiah layout								
		1	221.70	5.30		1175.01			
	11th mian Ramaiah layou								
		1	225.00	5.50		1237.50			
	10th Main								
		1	211.80	5.50		1164.90			
	9th Main								
		1	213.00	6.00		1278.00			
	8th Main								
		1	229.80	6.10		1401.78			
	7th Mian								
		1	230.80	6.20		1430.96			
	6th Main								
		1	228.00	6.50		1482.00			
	5th main								
		1	210.00	5.50		1155.00			
	4th Main								
		1	208.00	5.00		1040.00			
	3rd main road								
		1	210.00	6.50		1365.00			
	2nd main road								
		1	210.50	5.80		1220.90			
	1st Main Road								
		1	210.50	5.80		1220.90			
	Partydhar Samaj Back Side Road								
		1	123.00	4.90		602.70			
	MLA Office Back Side Road								
		1	261.80	6.50		1701.70			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	As per Approved Schedule-B Rate	Amount
			Total Qty			24647.15	Sqm		
			As per Agreement Qty			11962.60	Sqm	13.36	159820.34
			Upto 125% Qty			2990.65	Sqm	13.36	39955.08
			Above 125% Qty			9693.90	Sqm	13.36	129471.73
			Total Qty			24647.15	Sqm		
18	**KSRRB M500-19. Providing and laying bituminous concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications. MORTH Specification No. 509**								
	Ashoknagara								
	SLN primary school								
		1	236.00	5.50	0.04	51.92			
	Ashoknagara dead end Road								
		1	78.00	4.50	0.04	14.04			
	3rd Cross Road								
		1	144.00	4.80	0.04	27.65			
	2nd Cross Road								
		1	143.00	5.20	0.04	29.74			
	Cross Road								
		1	83.00	4.50	0.04	14.94			
	KEB Road								
		1	286.00	4.90	0.04	56.06			
	Havanoor Layout								
	3rd main road								
		1	198.00	4.20	0.04	33.26			
	2nd main road								
		1	195.00	4.80	0.04	37.44			
	1st Main Road								
		1	121.00	4.50	0.04	21.78			
	Ramaiah layout								
	12th main Ramaiah layout								
		1	221.70	5.30	0.04	47.00			
	11th mian Ramaiah layou								
		1	225.00	5.50	0.04	49.50			
	10th Main								
		1	211.80	5.50	0.04	46.60			
	9th Main								
		1	213.00	6.00	0.04	51.12			
	8th Main								
		1	229.80	6.10	0.04	56.07			
	7th Mian								
		1	230.80	6.20	0.04	57.24			
	6th Main								
		1	228.00	6.50	0.04	59.28			
	5th main								
		1	210.00	5.50	0.04	46.20			
	4th Main								
		1	208.00	5.00	0.04	41.60			
	3rd main road								
		1	210.00	6.50	0.04	54.60			
	2nd main road								
		1	210.50	5.80	0.04	48.84			
	1st Main Road								
		1	210.50	5.80	0.04	48.84			
	Partydhar Samaj Back Side Road								
		1	123.00	4.90	0.04	24.11			

l.No	Description of Items	No	Length	Width	Depth	Quantity	Unit	As per Approved Schedule-B Rate	Amount
	MI A Office Back Side Road								
		1	261.80	6.50	0.04	68.07			
			Total Qty			985.89	Cum		
			As per Agreement Qty			239.25	Cum	8656.91	2071165.72
			Upto 125% Qty			59.81	Cum	8656.91	517791.43
			Above 125% Qty			686.82	Cum	10754.92	7386731.11
			Total Qty			985.89	Cum		
19	**KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803**								
	Ashoknagara								
	SLN primary school	2	236.00	0.10		47.20			
	Ashoknagara dead end Road	2	78.00	0.10		15.60			
	3rd Cross Road	2	144.00	0.10		28.80			
	2nd Cross Road	2	143.00	0.10		28.60			
	Cross Road	2	83.00	0.10		16.60			
	KEB Road	2	286.00	0.10		57.20			
	Havanoor Layout								
	3rd main road	2	198.00	0.10		39.60			
	2nd main road	2	195.00	0.10		39.00			
	1st Main Road	2	121.00	0.10		24.20			
	Ramaiah layout								
	12th main Ramaiah layout	2	221.70	0.10		44.34			
	11th mian Ramaiah layou	2	225.00	0.10		45.00			
	10th Main	2	211.80	0.10		42.36			
	9th Main	2	213.00	0.10		42.60			
	8th Main	2	229.80	0.10		45.96			
	7th Mian	2	230.80	0.10		46.16			
	6th Main	2	228.00	0.10		45.60			
	5th main	2	210.00	0.10		42.00			
	4th Main	2	208.00	0.10		41.60			
	3rd main road	2	210.00	0.10		42.00			
	2nd main road	2	210.50	0.10		42.10			
	1st Main Road	2	210.50	0.10		42.10			
	Partydhar Samaj Back Side Road								

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	As per Approved Schedule-B Rate	Amount
	MLA Office Back Side Road	2	123.00	0.10		24.60			
		2	250.00	0.10		50.00			
			Total Qty			893.22	Sqm		
			As per Agreement Qty			269.75	Sqm	477.48	128800.23
			Up to 125% Qty			67.44	Sqm	477.48	32200.06
			Above 125% Qty			556.03	Sqm	477.48	265492.73
								Actual Cost	22965160.67
								As Per Tender Cost	22966761.00

Assistant Engineer
Ward No.14

Asst. Executive Engineer,
Dasarahalli Sub division

Executive Engineer,
Dasarahalli Division

Technically Sanctione for Rs. 229.65 lakhs/-
Rs. In words Rs. Two crores Thirty nine Lakhs Sixty five thousand one Sixty only
Under P-2415
Job Code No. 014-19-000026
Registered as Cl... No. 66/21-22 Subject to conditions ...tained in Enclosed Memo No. CE/D2/15/66/2021-22 Dt. 30/03/2022
AE/JE: TA CE(D)

BRUHAT BANGALORE MAHANAGARA PALIKE

RATE ANALYSIS

Name of Work: Asphalting to roads at Ashok nagara and surrounding areas in Ward No. 14 Bagalagunte

(Based on Schedule of Rates for the year 2018-19 PW,P&IWTD Bangalore Circle)

Sl No	Description of work	Unit	Page No	Item No	Basic Rate in Rs.	Lead for 10Km	AW 6%	Total Rate in Rs	T. P @ +5% in Rs	Final Rate in Rs
	2	3	4	5	6	7	8	9	10	11
	EIRL ITEMS									
1	Removing and refixing stone slabs of drains and Pointing in CM (1:3)	Sqm	27	5.33	105.00		6.30	111.30	5.57	**116.87**
2	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter	Cum	143	19.1	130.00	92.42	13.35	235.77	11.79	**247.55**
3	Providing & laying RCC Drain Slab of 100mm (DATA RATE)	Sqm	Approved data Rate							**2337.00**
4	KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications.	Sqm	158	21.2	5.00		0.30	5.30	0.27	**5.57**
5	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WBM, WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH Specification	Sqm	158	21.6	41.00		2.46	43.46	2.17	**45.63**
6	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting thehot mix to worksite, laying to the required grade, level and alignment, rolling with, smooth wheeled,	Cum	160	21.17.3	7426.00		445.56	7871.56	393.58	**8265.14**
7	KSRRB 500-7. Providing and applying tack coat using 80/100 grade Sqm 14.00 bitumen(VG1 0) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning	Sqm	158	21.7	12.00		0.72	12.72	0.64	**13.36**
8	KSRRB M500-19. Providing and laying bituminous concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications. MORTH	Cum	162	21.23.4	9663.00		579.78	10242.78	512.14	**10754.92**
9	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and	Sqm	182	24.15	429.00		25.74	454.74	22.74	**477.48**

Assistant Engineer
Ward No 14
BBMP

Assistant Executive Engineer
Dasarahalli Sub Division
BBMP

Executive Engineer
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BRUHAT BANGALORE MAHANAGARA PALIKE

RATE ANALYSIS

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(Based on Schedule of Rates for the year 2018-19 PW,P&IWTD Bangalore Circle)

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3	Providing & laying RCC Drain Slab of 100mm (DATA RATE)	Sqm	Approved data Rate							**2337.00**
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